

ABSTRACT

The present invention relates to immunotoxins that effectively kill malignant cells having a given marker. The immunotoxins are reagents that comprise internalizing antibodies conjugated to cytotoxic ribonucleases or fragments thereof. The internalizing antibodies are capable of binding with a chosen tumor cell, and thereby confer little non-specific toxicity to the immunotoxin in a host. The immunotoxins exhibit up to 2000-fold higher toxicity against malignant B cells than did the ribonuclease counterparts alone.